ACC NR: AP7010680

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AUTHOR: Wajda, Stanislaw--Vayda, S.; Pruchnik, F.--Prukhnik, F.

ORG: Department of Inorganic Chemistry, Wroclaw University, Wroclaw (Entedra chemii nicorganicznej universytetu wroclawskiego)

TITLE: Isotopic exchange as a criterion of the structure of octahedral /1:e (CNS) $_6/^{\rm n}$. Complexes. II. Isotopic exchange in the system /Mo(NCS) $_6/^{\rm n}$ -N^{1/2}CS-

SOURCE: Nukleonika, v. 11, no. 7-8, 1966, 555-566

TOPIC TAGS: isotope, radioactive source, isotopic exchange, reaction mechanism, molybdate

SUB CODE: 07,18

ABSTRACT: The exchange kinetics of radiocarbon in hexathiccyanatomolybdate (III) was examined. The exchange was found to proceed according to the dissociation mechanism S_{N_1} after a certain induction period. On the basis of these data the mechanism of isotopic exchange is given. The magnitude of the activation energy (21.9 kcal/mole) suggests that the Mo-N bonding is covalent but it is weaker than that in the chromium complex. Orig. art. has: 9 figures and 7 tables. /Based on authors! Ing. Abst.//NA/

Card 1/1

0930 1569

TAUBENFLIEGEL, W.; WAJDA, Z.; IEWINSKI, A.

Englishment the Action of the residence assertion and the con-

Determination of the condition of vascularization of pedicle skin grafts (Gillies-Filatov) by the thermoelement. Acta chir. plast. (Praha) 7 no.3:236-240 165.

1. The 3rd Surgical Clinic, Medical Academy, Gdansk (Poland) (Director: Prof. Zdzislaw Kieturakis M.D.).

Case of leioryoma of the stomach. Polski przegl. chir. 28 no.9: 945-947 Sept 56. 1. Z III Kliniki Chirurgicznej A.M. w Gdansku Kierownik: prof. dr. Z. Kleturskis. Gdansk, III Klinika Chirurgiczna A.M. (STOMACH HEDFLASUS, case reports, leiowyoma (Pol)) (LEIOMYOMA, case reports. stomach (Pol))

Unusual complication following wearing truss. Polski przegl. chir.
29 no.7:721-722 July 57.

1. Z III. Kliniki Chirurgicznej A. M. w Gdansku. Kierownik: prof. Z.
Kieturakis.

(HERNIA, VENTRAL, therapy,
truss, causing perf. of aldom. wall & prolapse of
omentum (Pol.))

(ABDONINAL WALL, perforation,
caused by truss with prolapse of omentum (Pol.))

(OMENTUM, diseases,
prolapse by truss, with at dom. wall perf. (Pol.))

WERMUT, W.; SWICA, S.; WAJDA, Z.

Case of symptomatic hypertension cured by removal of hypoplastic kidney. Polski tygod. lek. 13 no.42:1635-1638 20 Oct 58.

1. (Z II Kliniki Chorob Wewnetrznych A. M. w Gdansku; kierownik: Prof. dr J. Penson i z III Kliniki Chirurgic:nej A. M. w Gdansku; kierownik: prof. dr Z. Kieturakis) adres: Gdansk, Panstw. Szpital Kliniczny II Kliniki Chorob Wewnetrznych.

(HYPERTKNSION, case reports

renal, cure by removal of hypoplastic kidney (Pol))

(KIDNEYS, abnorm.

hypoplasia causing hypertension, cure by nephrectomy (Po))

TAUBENTLICEL, Wiktor, WAJDA, Zdzislaw, SMNYK, Jerzy.

Experimental research on the suitability of free flaps from the peritoneum to supplement defects in the walls of the gastrointestinal system. Polski przegl.chir. 30 no. 1:149-151 Har 158

1. Z III Kliniki Chirurgicznej A.M.C. Kierownik: prof. dr Z. Kietruszis Gdansk, ul. Sluzby 9, III Klinika Chirurgiczna A.M.
(GASTROINTESTINAL SYSTEM, surg.

free peritoneal flaps to supplement defects in walls of gastrointestinal system in animals (Pol))
(PERITONEUM, surg.
same (Pol))

Tuberculosis of the spleen. Polski przegl. chir. 31 no.3:345-348 Mar 59.

1. Z III Kliniki Chirurgioznej A. M. Gdansku Kierownik: prof. dr Z. Kieturakts. Adres autora; Gdansk-Wrzeszcz, ui. Vajdeloty 10.

(INTERNULOSIS, case reports.

spleen (Pol))

(SPIMEN, dis.

tuberc. (Pol))

SWICA, Stanislaw; WAJDA, Zdzislaw

A case of spontaneous gastric dilatation. Pol. tyg. lek. 17 no.17: 644-645 23 Ap 162.

1. Z III Kliniki Chirurgicznej AM w Gdansku; kierownik: prof. dr Z. Kieturakis.

(STOMACH dis)

WAJDA, Zdzislaw; LEWICKI, Kazimierz

Spontaneous bleeding into the peritoneal cavity from the cystic artery. Pol. przegl. chir. 34 no.1:59-60 162.

1. Z III Kliniki Chirurgicznej AM w Gdansku Kierownik: prof. dr Z Kieturakis. (GALLELADDER dis) (HEMORRHAGE)

MIERZEJEWSKI, T.; MIRECKI, L.; PENSON, J.; SWICA, S.; WAJDA, Z.; WROZOLKOWA, T.

Pheochromocytoma. Diagnostic value of aorto-arteriography and therapeutic problems. Kardiol. pol. 6 no.3:155-159 163.

1. Z II Kliniki Chorob Wewnetrznych Kierownik: prof. dr J.
Penson z Kliniki Radiologii i Radioterapii Kierownik: prof.
dr W. Grabowski z III Kliniki Chirurgicznej Kierownik: prof. dr
Z. Kieturakis z Zakladu Anatomii Patologicznej AM w Gdansku
Kierownik: prof. dr W. Czarnocki.

(PHEOCHRCMOCYTOMA) (ANGIOGRAPHY)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001961430003-4"

WAJDA, Zdzislawi GOLYNSKI, Slawomir; WASOWSKI, Janusz

Treatment of duodenal fistulae with a pancreatic inhibitor "trasylol". Pol. przegl. chir. 36 no.ll:1367-1369 N *64

1. Z III Kliniki Chirurgicznej Akademii Medycznej w Gdansku (Kierownik: prof. dr. Z. Kieturakis).

CIA-RDP86-00513R001961430003-4 "APPROVED FOR RELEASE: 09/01/2001

or and the contribution of the actual and actual contribution of the contribution of t P/014/62/041/012/003/005 D204/D307 Stable urea-formaldehyde solutions Wajdaya, Anna Przemys Z Chemiczny, v. 41, no. 12, 1962, 688-689 AUTHOR: The present paper is a review aimed at presenting the achievements attained in this field to Polish chemists, and the achievements attained in this field to rollsh chemists, and with motivated by the scarcity of more detailed publications dealing at this subject. Compositions storage temperatures temperatures at TITLE: motivated by the scarcity of more detailed publications dealing with this subject. Compositions, storage temperatures, temperatures at this subject. Compositions, stabilization and physical proposition the polymer is precipitated, stabilization are summarized. Stable erties of urea-formaldehyde (u-f) solutions are summarized. PERIODICAL: water the polymer is precipitated, stabilization and physical properties of urea-formaldehyde (u-f) solutions are summarized. Stable or the concentration is high solutions are defined as those in which the concentration is high ertles or urea-rormaldenyde (u-f) solutions are summarized. Stable solutions are defined as those in which the concentration is high, the stabilizing action being due to urea. The methods of (a) reaction stabilizing action being due to urea. The methods of the stabilizing action being due to urea. The methods of the stabilizing action being due to urea. the stabilizing action being due to urea. The methods of preparation are briefly described under the general headings of gaseous tion of solid urea with aqueous CH₂O, (b) absorption of gaseous at one of solid urea with aqueous of urea, and (c) preparing a CH₂O in hot, concentrated solutions and mixing the latter with solid hot concentrated CH₂O solution and mixing the latter with onzo in not, concentrated solutions or urea, and (c) preparing a hot concentrated CH2O solution and mixing the latter with solid hot concentrated CH2O solutions of u-f solutions are listed produced. The usual applications of u-f solutions are listed. urea. Card 1/2

P/014/62/041/012/003/005
Stable urea-formaldehyde solutions : D204/D307

tion and utilization of stable u-f solutions is recommended, in view of the considerable savings in transportation and storage costs, more efficient applications in the chemical industry and a saving of methanol (70-120 kg MeOH/ton of formalin) which is at present used to stabilize the solutions. Some Western-produced stable u-f solutions and concentrates are characterized. Research into the production and properties of stable u-f solutions has now been started at ZA Kędzierzyn / Abstracter's note: Zaklady Azotowe (Nitrogen Works) Kędzierzyn / There are 14 references: 3 Soviet-bloc and 11 non-Soviet-bloc.

ASSOCIATION: ZA Kędzierzyn

Card 2/2

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WAJDECZKO, A; MIELECKA, T.; IHNATCWICA, A.

Changes in some technological properties of coal under the influence of natural ventilation. p. 139

ARCHIWUM GORNICTWA. (Polaska Adademia Nauk. Komitet Gornictwa) Warszawa, Poland. Vol. 4, no. 2, 1959

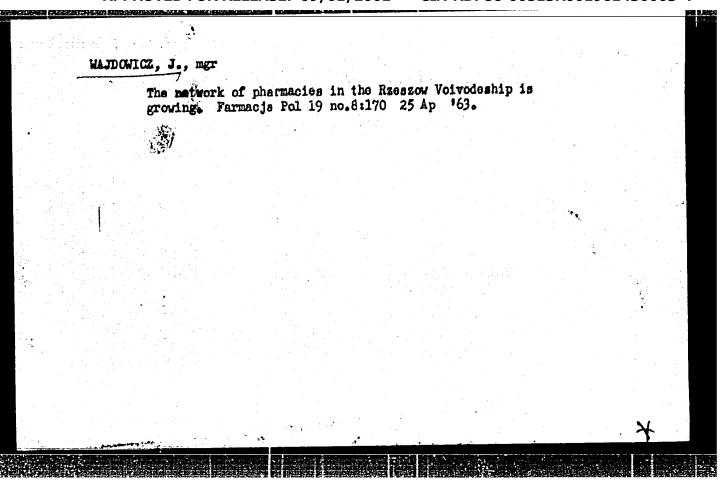
Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

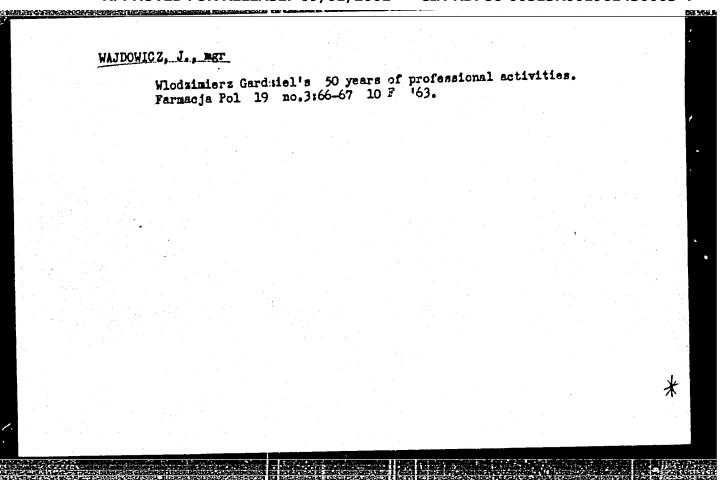
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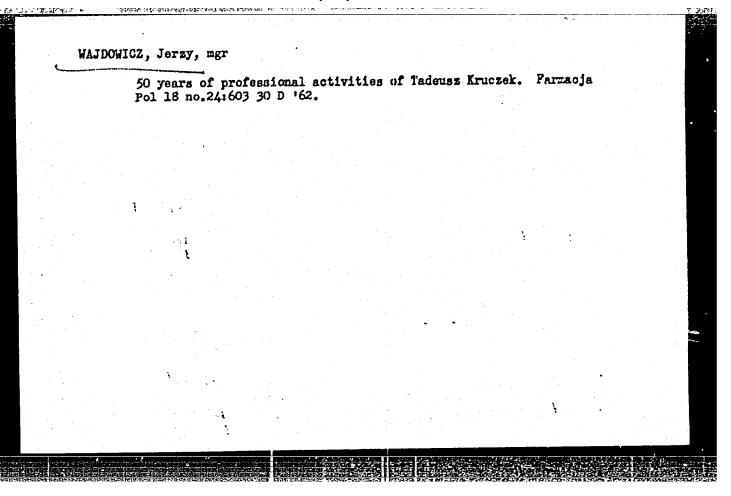
TROJANOWSKI, Kazimierz, dr. inz.; WAJDECZKO, Augustyn, inz.; PYTIARZ,
Tadeusz, mgr. inz.

Development of ground deformation in time resulting from working
a shallow seam. Przegl gorn 20 no.11:547-552 N '64.

WAJDOWICZ, A. Effect of ultra-violet rays on the erythropoietic activity of the kidney. Fol. biol. (Krakow) 13 no.3:317-321 '65. 1. Institute of General and Experimental Pathology, Medical Academy, Krakow.







WAJDOWICZ, Z.

"Utilization of small streams for fish culture" p. 5 (GOSPODARKA RYENA, Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

SO: Monthly list of East European Accessions, S.C., Vol. 3, No. 4, April 1954

WAJDOWICZ, Z.

Management of fishing in the Bcczalkowice water reservoir. p. 504. GOSPODARKA WODNA, Warszawa. Vol. 15, no. 12, Dec. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress Vol. 5, no. 8, August 1956.

WAJIOWICZ, Z.

WAJPOWICZ, Z. Workers of the Institute of the Biology of Ponds of the Polish Academy of Sciences on a visit in Czechoslovakia. p. 8. /ol. 8, no. 12, Dec. 1956. COSPODARKA RYPNA. Warszawa, Poland.

SOURCE: East European Accessions List (FFAL) Vol. 6, No. 4-- April 1957

WAJDOWICZ, Z.

WAJDOWICZ, Z. The Gorzalkowice water reservoir as the site for fish culture; stocking it with fry. p. 13. Principles of preparation of food mixtures for fish. p. 15.

Vol. 7, no. 7, July 1955 GOSPODARKA RYENA AGRICULTURE Poland

So: East European Accession, Vol. 6, No. 5, May 1957

WAJDOWICZ, Zbigniew, mgr., eng.

The Goczalkowice reservoir as an object of fish culture. III. Further development of the fish stock. Acta hydrodiol 3 no.4:225-239 161.

1. Stacja Hydrobiologiczna, Zaklad Biologii Wod, Polska Akademia Nauk, Goczalkowice, powiat Pszczyna.

(Poland-Fish culture)

WAJDOWICZ Thighield, dr.

Development of ichthyofauna in dam reservious with small variations in the water level. Fota bydrabiol 6 no.1861-77 '64

1. Zaklad Biclogii Vod, Ibleka Akademia Mauk, Frakow.

WAJDZIK, C.

WAJDZIK, C. Usefulness of fissured walls in buildings in the light of more experiments. (To be contd.) p. 17. Vol. 8, no. 10, Oct. 1956. EUDOWNICTWO WIFJSKIE. Warszawa, Poland.

SOURCE: East Europea n Accessions List (EFAL) Vol. 6, No. 4-April 1957

WAJDZIK, C.

WAJDZIK, C. Hum dity is the chief defect of fissured walls. II(to be contd.) p. 13

Vol 8, no. 11, Nov. 1956 BUDOWNICTWO WIEJSKIE ACRICULTURE Warszawm, Poland

So: East Puropean Accession vol 6, no. 3, March 1957

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WAJDZIK, C.

WAJDZJK, C. Usefulness of fissured walls in buildings in the light of more recent experiments. III. (Conclusion) p. 17. Vol. 8, no. 12, Dec. 1956. BUDOWNICTWO WIEJSKIE. Warszawa, Poland.

SOURCE: Fast European Accessions List (FFAL) Vol. 6, No. 4--April 1957

WAJDZIK, C.

The amount of surface condensation in farm buildings. p. 4.

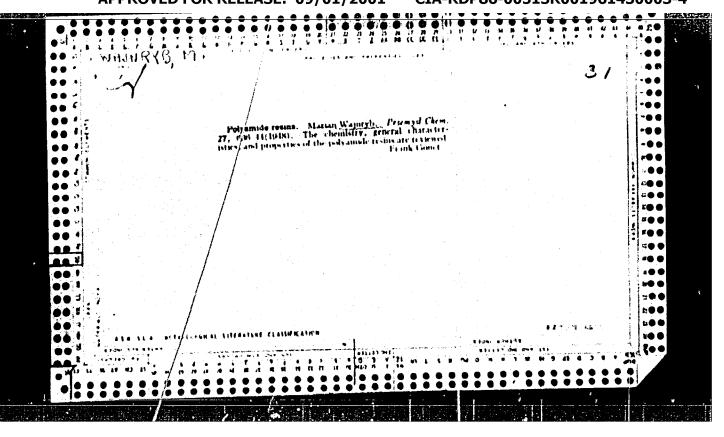
BUDOWNICTWO WIEJSKIE. (Ministers:wo Rolnictwa i Ministerstwo Panstwowych Gospodarstw Rolnych) Warsawa, Poland. Vol. 11, no. 10, Oct. 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

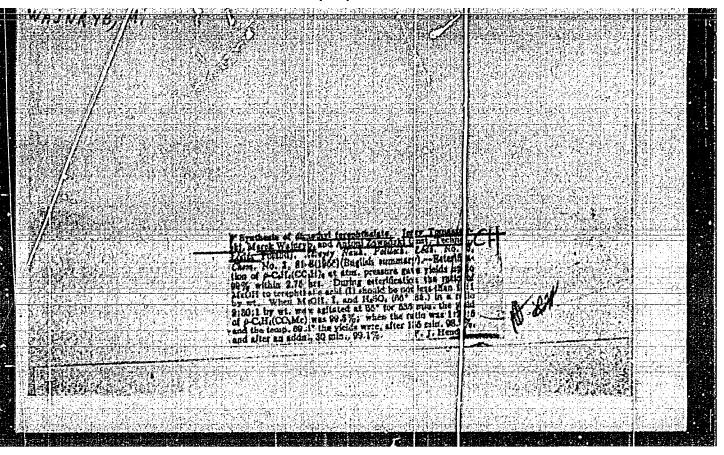
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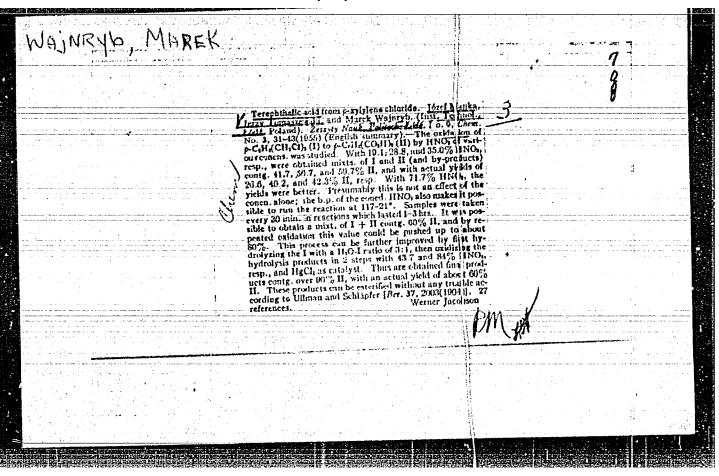
WAJNOOT. F. "Criticism Improves our Publication," P. 227. (PRZEMYSL CHEMICZNY, Vol. 10 No. 5, May 1954. Warszawa, Poland) SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955 Uncl.

WAJINIOT, F. "Conference of Readers and Contributors to Chemical Feriodicals," P. 194. (PREDILAD TECHNICANI, Vol. 75, No. 5, May 1954, Warszawa, Poland) SO: Monthly List of East European Accessions, (EEAL), IG, Vol. 4, No. 1, Jan. 1955 Uncl.



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WAJNRYB, M.; MOLINSKI, S.

"Synthetic products in medicine and biology."

p. 35 (Chemik) Vol. 10, no. 2, Feb. 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4, April 1958

I-25

WAJNRYB M.

Poland Chemical Technology. Chemical Products

and Their Application

Synthetic polymers. Plastics.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32459

Author : Wajnryb M.

Title : Polyethylene

Orig Pub: Przem. chem., 1956, 12, No 4, 195-199

Abstract: Description of the methods of production of

polyethylene by polymerization of ethylene at high and low pressure, of the physico-mechanical properties and dielectric characteristics, and of the scope of utilization of polyethylene.

Bibliography 6 references.

Card 1/1

5/081/62/000/005/097/112 B166/B101

AUTHORS:

PERIODICAL:

Card 1/2

Brzeziński, Jan, Wajnryb, Marek

TITLE:

Fractional precipitation of polycarbonates Referativnyy zhurnal. Khimiya, no. 5, 1962, 606, abstract 5P14 (Tworzywa. Guma. Lakiery, v. 5, no. 11-12, 1960,

326-334, 383)

TEXT: A short description is given of the theory and principles of fractional precipitation of polymers. A technique and apparatus have been developed for a rapid method of fractional precipitation of polycarbonates under the following conditions: quantity of polymer 1 g, fractionating temperature 20°C, solvent - chloroform, precipitator - petroleum ether with a boiling point of 30-50°C, initial polymer concentration 0.5 % by volume, fractionating time 6-7 hrs. The molecular weight was determined by viscometry in chloroform at 25°C. On the basis of the experimental data the relationship between the molecular weight and the viscosity of

S/081/62/000/005/097/112 B166/B101

Fractional precipitation of ...

solutions of polycarbonates in chloroform at 25°C was defined. The article gives the molecular composition of commercial grades of polycarbonates intended for the production of film and for treatment by the injection molding process. | Abstracter's note: Complete translation.

Card 2/2

8/081/62/000/003/067/090 B159/B101

AUTHOR:

Wajnryb, Marck

TITLE:

The stereoregular structure of polymers

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 3, 1962, 635, abstract 3R2 (Tworzywa wielkocząsteczkowe, v. 6, no. 5, 1961, 144-149)

TEXT: The features of the atactic, isotactic and syndiotactic structures of high polymers, the specific properties of stereoconstant polymers, and crystallinity are examined. The influence of the symmetry of molecules and of lateral substitutions on the degree of crystallinity is discussed in part. 9 references. [Abstracter's note: Complete translation.]

Card 1/1

1. Instytut Tworzyw Sztucznych, Warszawa.	Methods of evaluation of the thixotropic properties of polyester resins. Polimery tworzywa wieloczast 7 no.2:59-64 F 162
	1. Instytut Tworzyw Sztucznych, Warszawa.

ZIELINSKA, Daniela; ROSZKOWSKI, Zbigniew; WAJRRYB, Marek Alkyl benzehe as a diluent for polyvinyl chloride blends. Polimery tworz-wielk 7 no.7/8:249-251 Jl-Ag '62.

1. Instytut Tworzyw Sztucznych, Warszawa.

KROZER, Szymon; WAJNRYB, Marek

Studies on the thermomechanical properties of low- and highpressure polyethylene mixtures. Polimery tworz wielk 7 no.10:
367-372 0 '62.

1. Instytut Tworzyw Sztucznych, Warszawa.

MAJEWSKA, F.; WAJERYE, M.

Analyzing methods of commercial types of polyamides. Polimery tworz wielk 8 no.2:63-65 F **63.

SOBICZEWSKI, Zbigniew; WAJNRYB, Marek

Density measurements of polymers in gardient tubes. Polimery tworz wielk 8 no.2:69-72 F '63.

1. Instytut Tworzyw Sztucznych, Warszawa.

P/014/62/041/012/002/005 D204/D307

AUTHOR:

Wajnryb, Marek

TITLE:

The stabilization of polyvinyl chloride. Part I

PERIODICAL:

Przemys/ Chemiczny, v. 41, no. 12, 1962, 681-684

TEXT: The present article is a review dealing with the causes of the sensitivity of PVC to the combined action of light and air, and to the effects of elevated temperature, even in the absence of air and light. The modern views concerning the structure of PVC and the mechanism of thermal decomposition are given. The lack of stability is due to the existence of weak spots on the macrostructure, such as double bonds, points of branching, and to remnants of initiator. In the absence of air the decomposition proceeds by an ionic mechanism and is made possible by the initial loss of HCl and the resultant formation of conjugated double bonds, which then permit cross-linking. In the presence of air the decomposition is accelerated and both cross-linking and oxidative degradation take place, by a free-radical process. The decomposition may also be

Card 1/2

P/014/62/041/012/002/005 D204/D307

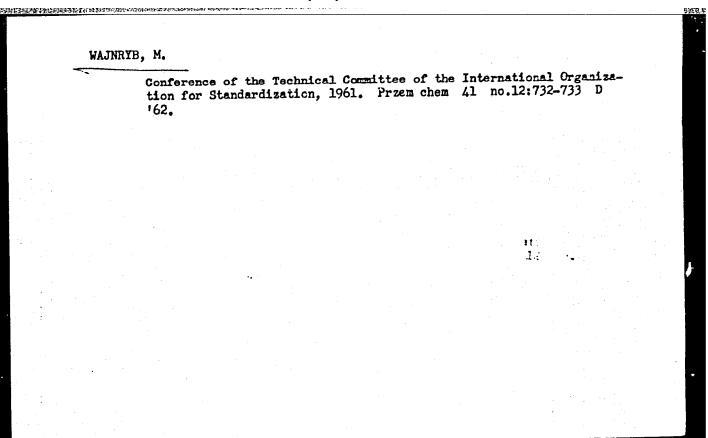
The stabilization of polyvinyl ...

initiated by irradiation with light. The purpose of stabilizers is described in general terms. There are 3 figures and 12 non-Soviet-bloc references.

ASSOCIATION:

Instytut Tworzyw Sztucznych w Warszawie (Institute Of Synthetic Resins, Warsaw)

Card 2/2



Y/014/63/042/001/002/004 D204/D307

AUTHOR:

vlajnryb, llarek

TITLE:

Stabilization of polyvinyl chloride. II. Stabil-

izers

PERIODICAL:

Przemys/ Chemicuny, v. 42, no. 1, 1963, 16-19

The present article is a review based wholly on Western work over the period 1939-1960. Substances preventing the undesirable side-effects of the thermal decomposition of PVG are discussed under the headings of (a) inorganic and organic salts of lead, (b) organic salts of Cd, Da, Ca, and in, and (c) organic compounds of tin. Attention is focussed on the probable muchanisms, the relative effectiveness, and on the specific properties of the polymer which are stabilized with a given compound. A brief description is also given of organic stabilizers; chiefly anti-exidents, which are added to the polymer in conjunction with other stabilizing substances. The problem of light-stabilization is indicated. It is concluded that every variety of PVG requires a different mixture of stabilizers, Card 1/2

r/014/63/042/001/002/004 Stabilization of polysinyl chloride D204/D307

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and the importance of (1) thorough distribution of stabilizer throughout the mans of PW, and (2) prevention of adhesion of PWC to hot surfaces by adding lubricants, is underlined. Thermal decomposition of the polymer is hindered only by on stabilizers, whilst the other substances discussed preserve only the color of the polymer. It is considered that stabilization by the addition of free radical acceptors is not yet fully explored. There are 9 figures and 12 non-Sovietbloc references.

ASSCCIATION:

Instytut Tworzyw Satucznych w Warszawie (Institute of Plastice, Warsew)

WAJNTRAUB, J.

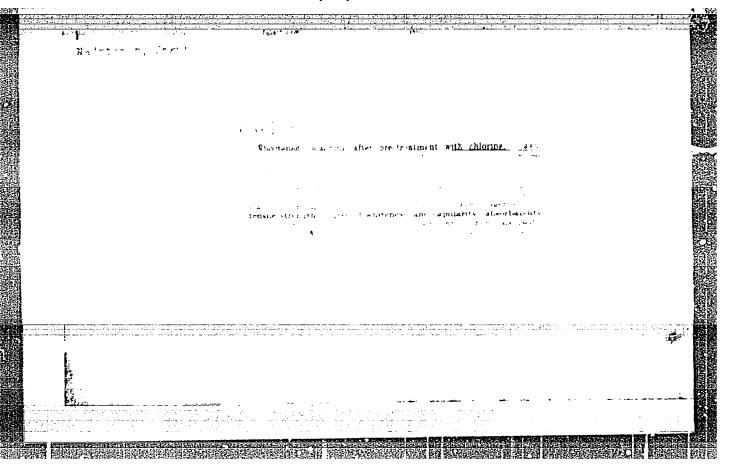
Method of defining the chemical damage to wool curing the process of accouring.

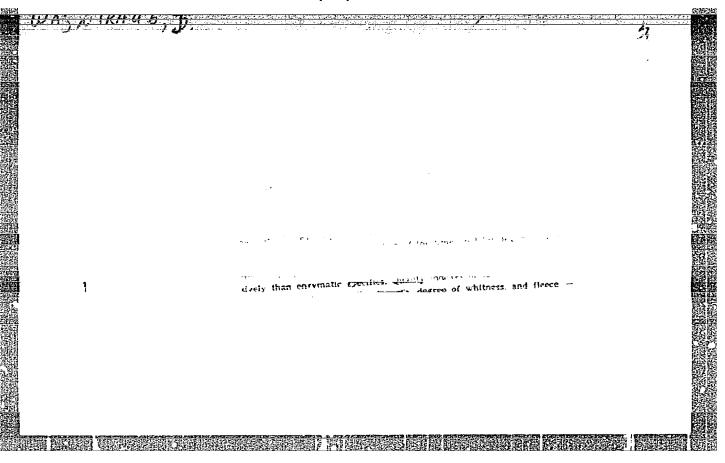
Bluletyn Wlok. p. 12. (PRZEMYSL WLOKIENNYCZY, Lodz, Vol. 7, no. 7/8, July/Aug. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 1, No. 1, Jan. 1955,

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WAJNTRAUB, J.

Elaboration of the condition of bleaching the fabric made of mixtures of cotton-cut viscose fiber. Biuletyn Wlok.

p. 21 Vol. 9, no. 6, Aug. 1955 PRZEMYSL WLOKIENNICZY Lodz

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
March 1956

WAJS, K. Determination of essential parameters of drive of hoisting machines. p. 440

Vol. 31, No. 7, July 1955
PRZECLAD ELEKTROTECHNICZNY
TECHNOLOGY
Poland

So: East Europeon Accession, Vol. 5, No. 5, May 1956

Regulators in automaticed systems, p.106
Whatercool Bischerrouniform. (Dismaryonente Bishtryker Selekten, Sentrally Zarrad Groupetyki, Centrally Zarrad Frompali Massyn Methyraged, Sentrally Vol. 6, No. 5, May 1996

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Reversible clutching in automatized systems. p. 204. (WIADOMOSCI ELEKTROTECHNICZNE. Vol. 16, no. 9, Sept. 1956, Warszawa, Polund)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957. Uncl.

"Evaluation of the quality of operation of automatized systems."

p. 223 (Wiadomosci Elektrotechniczne) Vol. 17, no. 9, Sept. 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

Direct and indirect regulators.

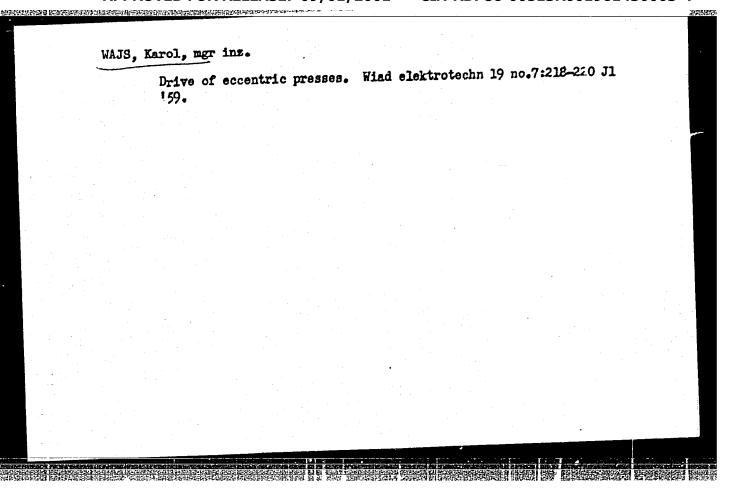
P. 56 (WIADOMOSCI ELEKTROTECHNICZNE) (Warazawa, Poland) Vol. 17, no. 3, Mar. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

Something new from the field of drives in hoisting machinery. p. 57

WIADOMOSCI ELEKTROTECHNICZNE. (Stowarzyszenie Elektrykow Polskich, Centralny Zarzad Energetyki, Centralny Zarzad Przemyslu Maszyn Elektrycznych i Centralny Zarzad Przemyslu Kablowego) Warszawa, Poland. Vol.19, no.3, Mar. 1959

Monthly List of East European Accessions Index, (EEAI) LC, Vol.8, no.6 June 1959 Uncl.



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AUTHOR:

Wajs, Karol, Master of Engineering

Control and Regulation of Research Reactors 19

PERIODICAL: Wiadomości Elektrotechniczne, 1960, No 7, pp 189 - 192

The author presents an outline description of control and regulation in thermal neutron research reactors as distinguished from power reactors. The article is limited to a descriptive presentation, while physics and safety are omitted. (Reference is made to an article in Wiadomości Elektrotechniczne, 1960, No 3, pp 66 - 68, for the basic description of thermal reactors.) The first chapter of the article deals with the principles of reactor control; the definitions of neutron density and multiplication constant are explained, as well as the four factors which interfere with the operational stability of a reactor: a) fuel burn-up, b) introduction and withdrawal of test instruments, test samples etc., c) tem-perature variations and d) reactor poisoning. The formation and effect of as a reactor poison is briefly explained. Further on, the methods of influencing reactivity are mentioned: control of neutron escape by means of a reflector and neutron absorption by means of a control rod. W

Card 1/2

Control and Regulation of Research Reactors

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The second chapter deals with the reactor control system. Pointing out that on principle neutron density is controlled, the author mentions the two means of measuring neutron density, i.e. counters and ionization chambers, and he lists the difficulties encountered in such measurement: a) wide range required, b) external disturbances, c) irregular distribution of neutron density. Further on, the amplification, conversion and comparator stages are mentioned and briefly explained. At the close of the article, the author lists the functions of control rods, which are emergency scram, control of the rate of reaction and compensation of disturbances such as fuel burn-up, poisoning etc. There is 1 Figure.

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Card 2/2

AUTHOR:

Wajs, Karol

TITLE:

The error estimation of linearized nuclear reactor

equations

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 737 - 742

TEXT: In solving the problem of kinetics of a nuclear reactor by direct analytical methods, one usually substitutes for the general system of differential equations, a system of differential equations with constant coefficients. Errors of this approximation were estimated by the author. A system of kinetic equations was assumed estimated by the author. A system of kinetic equations was assumed in a form given by M.A. Schultz (Ref. 1: Control of Ruclear Reactors and Power Plants. Chap. 3: Reactor Kinetics, New York 1955, tors and Power Plants. Chap. 3: Reactor Kinetics, New York 1955, tors and Power Plants. On and this was linearized by inserting for Mc Graw Hill Book Comp.) and this was linearized by inserting for the neutron density function n (t) its initial value n(0). As a the neutron density function the coefficients become constant, and the result of this operation the coefficients become constant, and the problem can be solved in terms of n(t) for a given initial reacti-

Card 1/4

The error estimation of ..

vity. In order to estimate the deviation of the linearized system from the original one, the general shape of the equations was investigated in terms of the theory of differential inequations by applying a theorem given by m. Watarati (200 applying a theorem given by T. Ważewski (Ref. 2: Système des équations et des inégalités différentielles ordinaires aux deuxième where the description of the entire ordinal result of the considered semembres monotones et leurs applications. Annales de la Soc. Pol. membres monotones et leurs applications. Annales de la Soc. Pol. de Mth. t. 23, 1950, pp 112-166). The errors were considered separately for two cases: positive initial reactivity and nogative parately for two cases: positive initial reactivity and nogative initial result for text initial result for both cases is erroneously as (t) > 0, and the final result for both cases is presented by a single expression:

 $/n_1(t) - n_2(t)/< \frac{n_{extr} - n(0)}{\tau} \int_0^t \delta k(t) dt$

where $n_1(t)$ and $n_2(t)$ are neutron densities given respectively by the exact system of equations and the approximate one, and nextr

Card 2/4

The error estimation of ...

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is the extremum value of the function n(t) measured against the initial value n(0). For practical calculations a specified time-initial value n(0). For practical calculations a specified time-dependence of the reactivity has to be assumed; e.g. if the reactivity jumps to a value $\delta k(t) = k_0$, the expression for the error

reduces to:

 $/n_1(t) - n_2(t)/ < \frac{k_0 t}{\tau} [n_{extr} - n(0)]$

the constant of integration being eliminated by the initial condition: $n_1(0) = n_2(0) = n(0)$. It is stated that the evaluated error is safely larger than an exact estimate due to the fact that the delayed neutrons were neglected, and the effect of including the delayed neutrons is discussed. In conclusion, results of a simpli-fied numerical calculation are presented for the extreme case of a very small reactivity. There is 1 figure and 2 references: 1 Sov-iet-bloc and non-Soviet-bloc. The reference to the English-lang-uage publication reads as follows: M.A. Schultz, Control of nu-Card 3/4

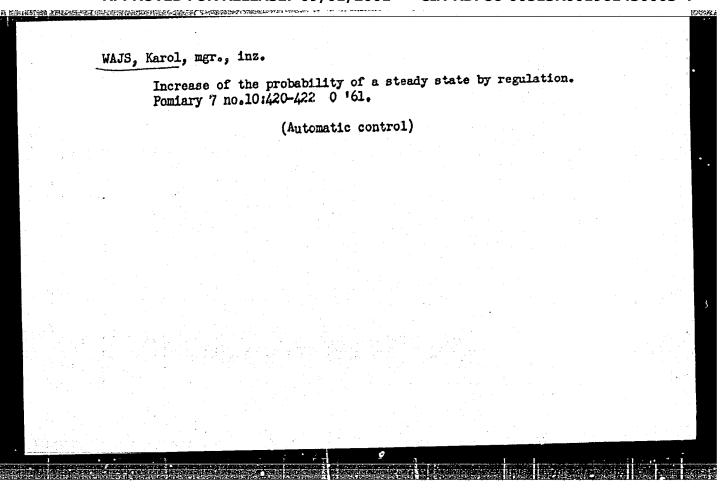
The error estimation of ...

clear reactors and power plants, McGraw Hill, New York, 1955, Chap. 3.

ASSOUIATION: Instytut elektrotechniki, Warszawa (Electro-Technical

Institute, Warsaw)

September, 1960 SUBMITTED:



WAJS, Karol, Mgr. Inz.

Rotor emergency breaking in an electric motor. Inst Klektrotech 9 no.26:69-80 161.

1. Zaklad Konstrukcji Urzadzen i Maszyn Elektrycznych, Warszawa.

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WAJS, Karol, mgr inz.

Integral criteria of the operational quality of a feedback control system as topological problem. Inst elektrotech prace 10 no.29: 89-96 162.

1. Osrodek Dokumentacji i Informacji Naukowaj, Warszawa.

P/530/62/010/030/001/001 D201/D308

Wajs, Karol, Master of Engineering

TITLE:

Phase plane linearization of control elements

SOURCE:

Warsaw, Instytut Elektrotechniki, Prace, v.10, no. 30, 1962, 47-57

The author shows that when the non-linear component TEXT:

The author shows that when the non-linear component of a feedback control system is described by a differential equation of the second order, it may be replaced by a linear first or second order element, the transfer function of which is determined from the order element, the transfer function of which is determined from the analysis of phase trajectory. With small deviations from the state of equilibrium the phase trajectories can be approximated by piece-of equilibrium the phase trajectories can be approximated by piece-of equilibrium the phase trajectories can be approximated by piece-of approximate solution of differential equations. When the changes of approximate solution of differential equations. When the changes of the independent variable are considerable, the harmonic approximation may be used; the latter may be considered as a certain interpretation of the Fourier series the constant term of which determines the

Card 1/2

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Phase plane linearization ... D201/D308

locus shift along the abscissa and the harmonic terms differ only in their origin. In practice, the harmonic approach is restricted to two cases only: when the equilibrium is on the abscissa itself and when instants of time have to be calculated for regions near to the abscissa. There are 6 figures.

ASSOCIATION:

Zaklad Dokumentacji i Informacji Naukowej (Depart-ment of Scientific Documentation and Information) February 22, 1962

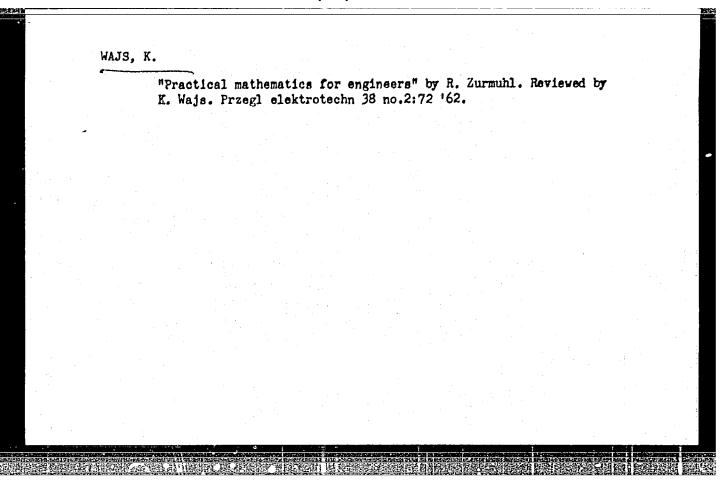
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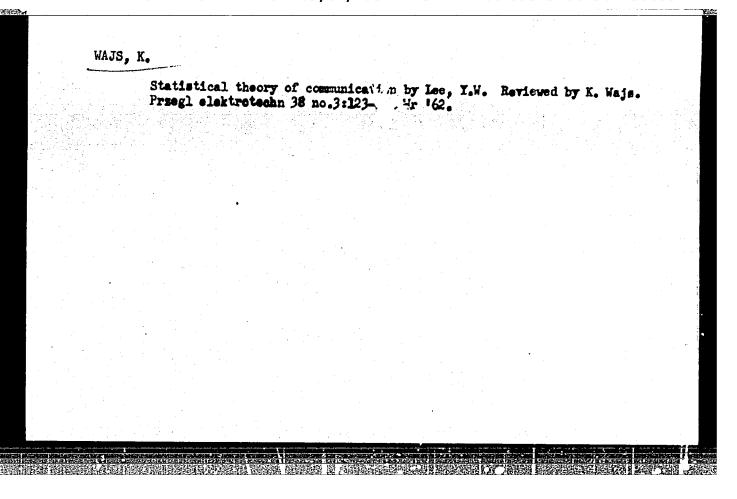
WAJS, Karol, mgr inz.

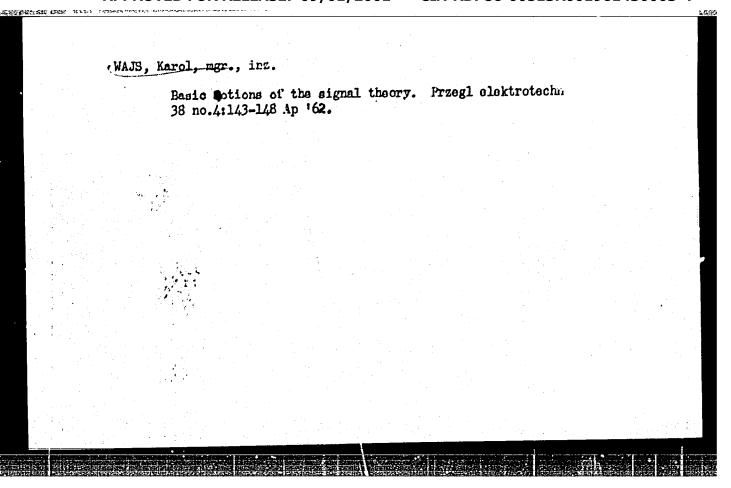
Higher order control system components in the phase plane.

Inst elektrotech prace 10 no.31:45-54 162.

1. Osrodek Dokumentacji i Informacji, Instytut Elektrotechniki, Warszawa.





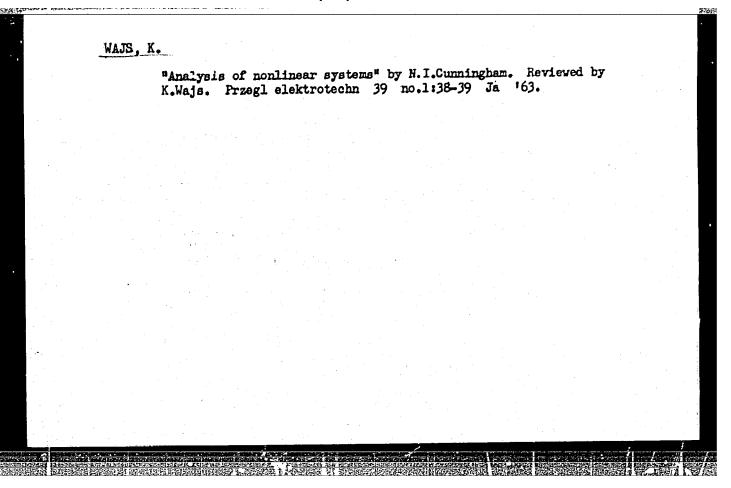


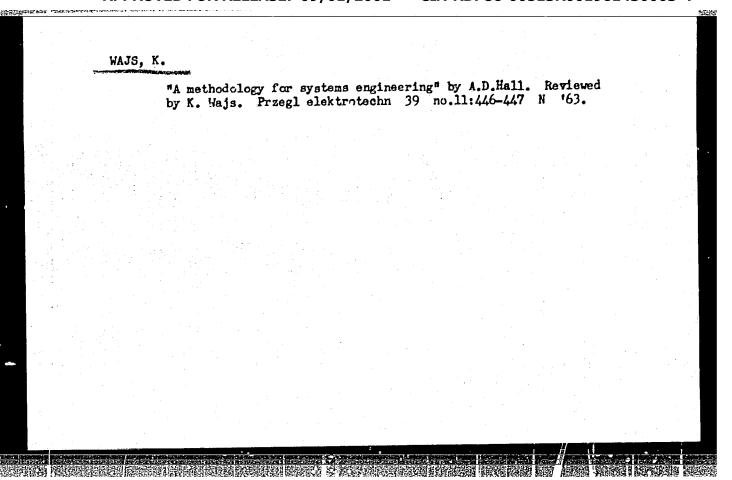
WAJS, Karol, mgr inz.

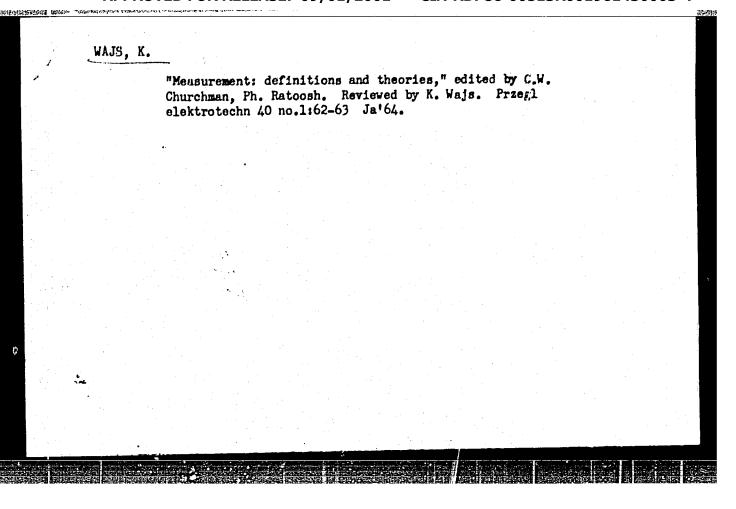
Courses of self excitation of shunt generators.
Przegl elektrotechn 38 no.9:374-978 S '62.

1. Instytut Elektrotechniki, Warszawa.

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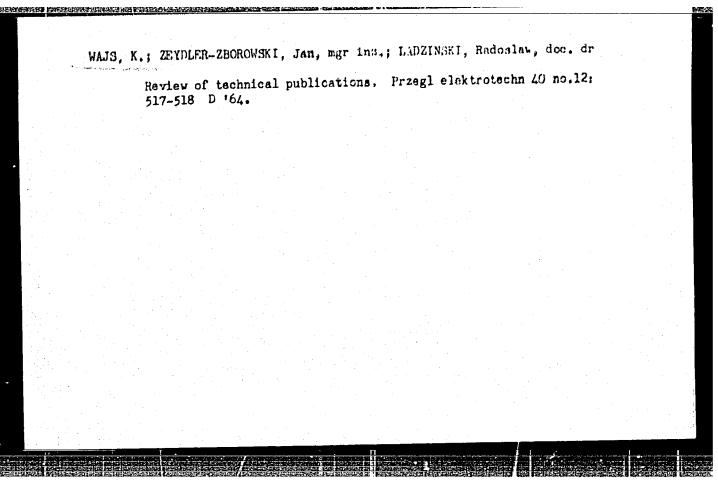
WAJS, Karol.

Archangielski's driving system. Przegl. elektrotechm 40 no.6: 274-279 Je *64

1. Editor, *Przeglad Elektrotechniczny*, Warsaw.

Control systems of equal value. Inst elektrotech prace 11 no.33:21-62 '63

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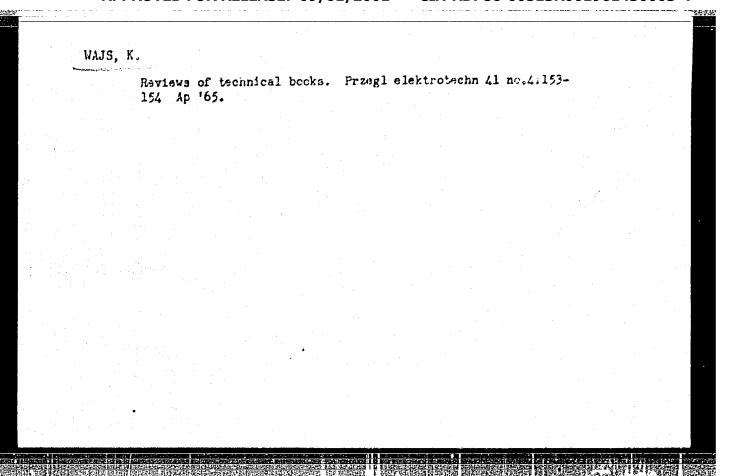
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ACCESSION NR: AP5001175 \$700347647000701	
AUTHOR: Waje, K. (Doctor)	
TITIE: Determination of time constants from time characteristi	B B
SOURCE: Pomiacy, automatyka, kontrola, no. 12, 1964, 530-532	
TOPIC TAGS: automation, automatic control system, control system, proportional element, integrating element, different	lating element,
control system performance	보다[다음] 라마드 (HT 1988 - 1985 HT) 보기
ABSTRACT: This paper presents a method for determining the nu	merical values of
ABSTRACT: This paper presents a method tot dictions of prothe coefficients which appear in the operator functions of proing and differentiating elements of control systems. The method and differentiating elements of control systems.	
determined when the time characteristic (or time characteristic function) of the given element is known. The time characteristic	tic is a cource or
made to find methods for determining the values of the time charact	eristic. Usually,
the part of time constants from the shape developed in the these methods are time-consuming. The method developed in the	present paper is
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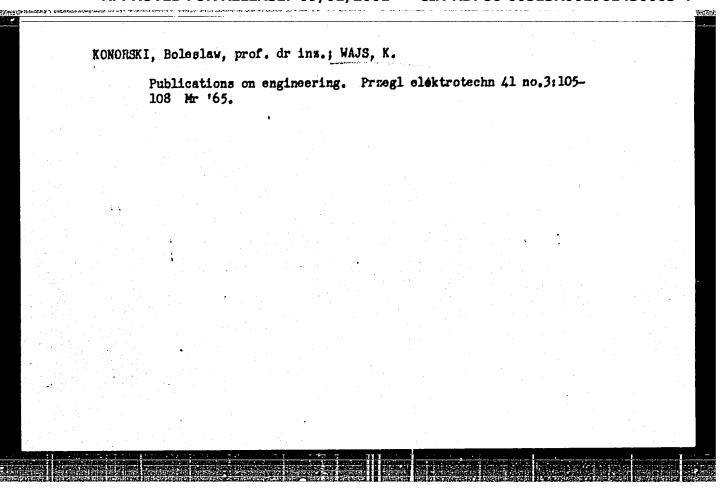
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	simpler, fully rigorous, and based on the various weighted integral criteria of performance quality of a control system. The weighted in egral criterion of performance quality is assumed in the form	
	$\int_{\mathbb{R}^n} \mathcal{E}(\varepsilon) \ d\varepsilon n = 0,1,2,3 \dots$	
n		
	where £(t) is the difference between the steady-state output of the element and the instantaneous value of the output. The evaluation of this integral is a simple matter when the time characteristic is available. Each of the above integrals, corresponding to different n, can be expressed as a combination - usually a simple one - of the various time constants. The method is duve oped for proportional, integrating and differentiating elements. The values of the integral criteria for n = 0,1,2 and 3 weighted for these elements, expressed in the integral criteria for stants which appear in the operator transfer function of the element, are tabulate. The method is particularly convenient for proportional elements but can still be used with advantage for the other two types of elements. However, the formulas obtained become complicated as n increases, and for elements corresponding to n greater than 4, the method becomes impractical. Orig. art. has: 16 formulas, I figure and 3 tables.	
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ASSOCIATION: Instytut	elektrotechniki(Electr	ical-engineering	institute)	ta i esti.	
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BIALKTEWICZ, Zbigniew, mgr inz.; SCISLOWEI, Wlodzimierz, prof, dr; BIERNACKI, Tomasz; WAJS, K.

Review of technical publications. Przegl elektrotechn 41 no.2: 73-75 F 165.





Development of the wage policy in the machine manufacturing industry in Poland. p.307.
MCHANIK (Stowarzyszenie Inzymierow i Technikov Mechanikov Polskich) Marshawa Vol. 26, no. 8, Aug. 1955

So. East European Accessions List Vol. 5, No. 9 September 1956

GRABOWSKI, Aleksander; WAJS, Symcha

Laboratory procedures for making working models by multiplication method. Czas. stomat. 18 no.10:1231-1235 0 '65.

1. Z Kliniki Protetyki Stomatologicznej AM w Warszawie (Kierownik: prof. dr. J. Galasinska-landsbergerowa).

WAJS, Stanislaw On economy and management in fuels and power production. Wiad naft 8 no.6:121-123 Je '62. 1. Posel na Sejm, Warszawa.

WAJS, Z.

The Polish textile machinery industry. p. 220.

PRZEGLAD MECHANICZNY. (Stowarzyszenie Inzymierow i Technikow Mechanikow Polskich) Warszawa. Poland. Vol. 17, no. 5, May 1958.

Monthly List of East European Accessions (EEAL) LC, Vol. 9, No. 2, Feb. 1959. Uncla.

WAJS,Z.

Current factors influencing the construction of textile machinery, p.333.

PRZEGIAD WLOKIENNICZY. (Stowary szenie Inzmierow i Technikow Przemyslu Wlokienniczego) Loda, Poland, Vol. 13, No. 7, July 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 9, No. 2, Feb. 1959. Uncl.

WAJS, Zdzisław, mgr inz.

Lodz Branch of the Association of Pollan Mochanical Engineers and Technicians. Przegl mech 22 no.7/8:250-251 10-25 Ap '63.

1. Chief designer, Association of the Textile Machine Industry, Lodz, and Chairman, Association of Polish Mechanical Engineers and Technicians, Lodz Bransh.

MOYCHO, W.; GUBANSKI, M.; FOMAIDIS, B.; LEMANSKA, M.; WAJSBARD, E.

The occurrence of tobacco mosaic virus in tomatoes in Lodz and its neighborhood. Postepy nauk roln 7 no.1:79-82 Ja/F '60. (EEAI 9:10)

(Polland--Tomatoes)

(Mosaic disease)

(Viruses)

KICZAK, Janina; SEBASTYANSKI, Tadeusz; SAGAN, Zygmunt; WAJSKOL, Adela

Acquired homolytic anemia in a patient with malignant granuloma, Polski tygod. lek. 15 no.46:1772-1776 14 H 160.

1. Z II Kliniki Chorob Wewnetrznych P.A.M. w Szczecinie; kierownik: pref. dr Edward Gorskowski.

(HODGKIN'S DISEASE compl) (ANEMIA HEMOLYTIC compl)

WAJSKOL, Aron (Szczecin, al. Powstancow 72 II Kl. Chir. Pom. Ak. Med.)

Body potasaium metabolism & its importance in the surgical clinic.
Polski tygod. lek. 14 no.10:446-448 9 Mar 59.

1. (Z II Kliniki Chirurgicznej P.A.M. w Szczecinie; kierownik: doc. dr W. R. Heftman).

(POTASSIUM, metab.
disord., significance in surg. (Pol))